

# **“CATALASAN NUCLEAR FUSION REACTOR”**

## **A Rotating Centrifugal-Laser Nuclear Fusion Reactor**

### **Mr. Peter Paul Catalasan**

Chief Theoretical Research Scientist  
A Mathematical Physicist,  
Theoretical Computer Scientist, and  
Artificial Intelligence Researcher  
Advanced Catalasan Research Laboratories, Inc.  
Citizen of the Republic of the Philippines  
Citizen of the United States of America

*CSULB Graduate Student*  
United States Residence  
25410 Dodge Ave. # K  
Harbor City, CA 90710  
pcatalasan@yahoo.com  
310.830.1046

***Abstract*** – Generations of *Physicists* have attempted to build Thermonuclear Fusion Reactors in hope of harnessing the Energies of the ubiquties Hydrogen and Hydrogen Nuclear Fusion Reactions similar to our Sun's. With respect to physicists, the failure, I believe, involves overcomplicated design structures. Thus, I have chosen my design as a very practical High-Speed Rotating Centrifugal-Laser Nuclear Fusion Reactor, a design based on Demirkhanov's Solenoid Experiment where plasma is trapped radially by an intense electromagnetic field induced by a powerful Solenoid. In my idea, the Solenoid's plasma is then heated on one end of the solenoid cylinder with a Free-Electron Laser, which is also a working Laser Fusion Device used by *Nuclear Fusion Physicists*. And, on the other end of the solenoid cylinder, a Centrifugal Force is applied linearly to the plasma by revolving the entire Solenoid at its end on its primary axis. Since Demirkhanov's system works and also its Free-Electron Laser, it follows that this Nuclear Fusion Reactor will also work, having Demirkhanov's working system a viable proof of experimentation.